United States Patent [19]

Berry et al.

[54] **DRAW GRAPHICS CAPABILITIES**

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[21] Appl. No.: **595,160**

[22] Filed: **Mar. 30, 1984**

[51] Int. Cl.⁴ G09G 1/16
[52] U.S. Cl. 340/723; 340/706; 340/747
[58] Field of Search 340/723, 706, 707, 709; 364/488, 489, 520, 521, 515, 518

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[57] **ABSTRACT**

A method of, and apparatus for, altering the configuration of an art form based on defining a portion of the border of the art form. The definition of the portion is used to call an appropriate routine for permitting operator alteration of the portion. The portion is defined both geometrically and by makeup. Consider a square. If part of the definition includes one side, and another part of the definition is that the side is a solid line, urging the side away from the center of the square will create a rectangle. If part of the definition includes a broken line rather than a solid line, urging the line away from the center will result in a peaked side with the square becoming a polygon. Next consider a circle. If the border portion defined is a solid line semicircle, urging the semicircle away from the center of the circle will result in a shape similar to that of a silhouette of cylinder having domed ends. If the semicircle were defined as a broken line and urged away from the center, the defined semicircle would be changed to an eliptical form.

10 Claims, 3 Drawing Sheets